
Project Proposal: Digit Recognizer

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Abstract

BACKGROUND. The idea of recognizing digit . The goal in this project is to take an image of a handwritten single digit, and determine what that digit is.

Kaggle competition. We propose to

1 Introduction

2 Motivations

3 Project Summary

4 Project Details

4.1 Provided Baseline Models

As mentioned above, implementations of two baseline models are provided by the holder of that kaggle competition. These baselines are respectively K-Nearest Neighbour Model and Random Forest Model. The following subsection will present reader the basic introduction of two baseline model.

4.2 Models to Explore

Our current plan is to further investigate the performance of a series of machine learning algorithm on.

5 Conclusion

6 References

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[2] Bower, J.M. & Beeman, D. (1995) *The Book of GENESIS: Exploring Realistic Neural Models with the GEneral NEural Simulation System*. New York: TELOS/Springer-Verlag.

*Use footnote for providing further information about author (webpage, alternative address)—*not* for acknowledged funding agencies.

[3] Hasselmo, M.E., Schnell, E. & Barkai, E. (1995) Dynamics of learning and recall at excitatory recurrent synapses and cholinergic modulation in rat hippocampal region CA3. *Journal of Neuroscience* **15**(7):5249-5262.